***READ ALL OF THE FOLLOWING INSTRUCTIONS BEFORE REMOVING CABINET FROM SKID***

**INSTRUCTIONS CM599D**

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**NOTE - Some views in this document may vary slightly from your actual cabinet configuration.**

**Tool List:**

**-Phillips screwdriver**
**-Flatblade screwdriver**
**-22mm socket wrench**
**-15mm socket wrench**
**-13mm socket wrench**
**-8mm socket wrench**
**-7mm socket wrench**
**-T30 Torx bit**
**-T25 Torx bit**
**-6mm Allen Key**
**-2.5mm Allen Key**
**-Wire Cutter**

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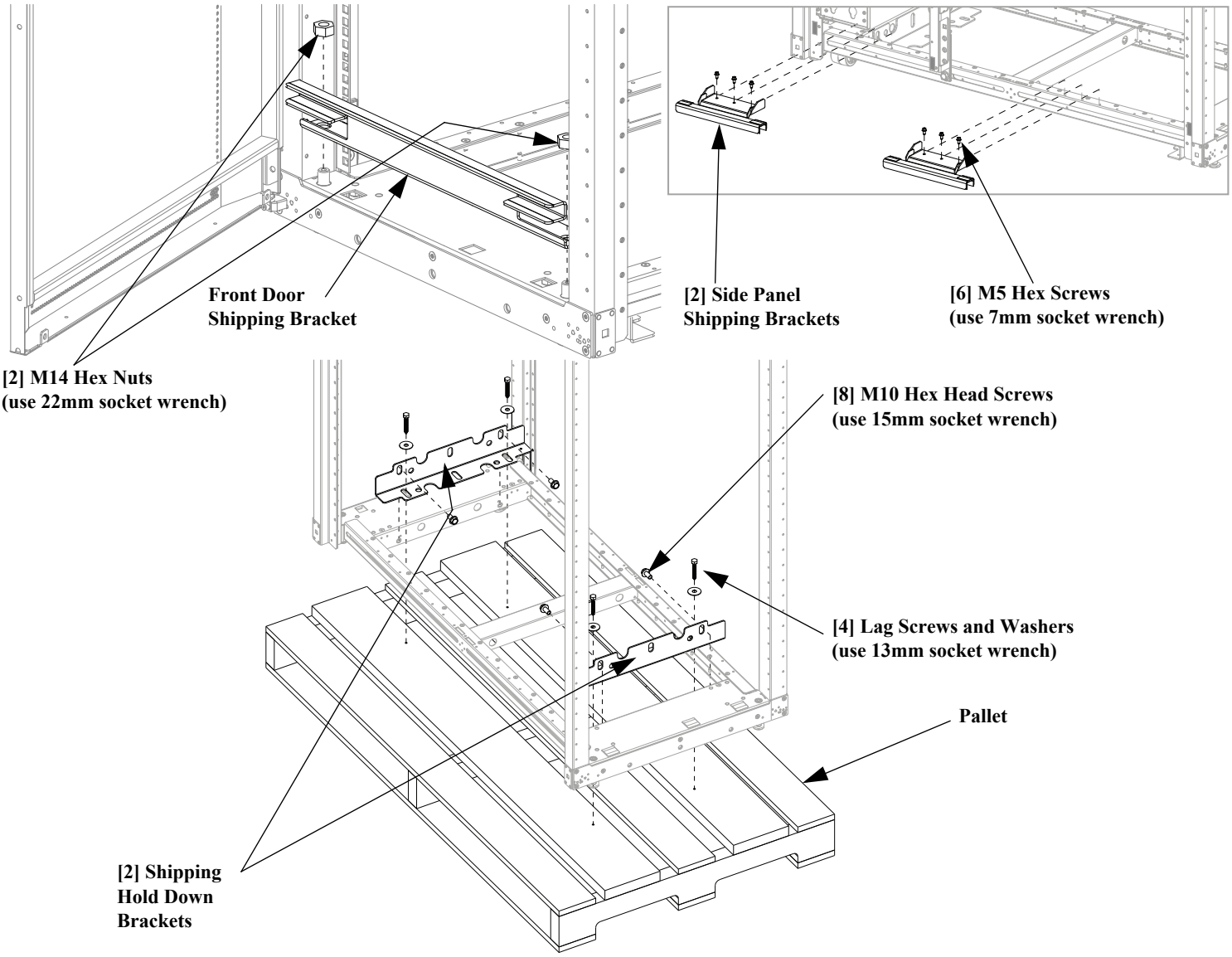
# Packaging Material Removal

**Before removal of packaging material:**
**Check tip indicator on the outside of cabinet to ensure cabinet was shipped in the upright position. If tip indicator shows improper handling, inspect cabinet for damage before accepting cabinet.**
**Before handling cabinet:**
**Small glide strips are installed at various locations around the cabinet to protect the cabinet's finish during shipping. These strips are to be removed prior to handling of cabinet.**

**"Shipping Hold Down Bracket" Doubles as Floor Mounting Bracket. Retain bracket if floor mounting is desired. (see Page 6)**

- **Remove all stretchwrap and protective cardboard from outside of cabinet**
- **Remove all Shipping Brackets (if necessary)**
- **Remove [2] Hold Down Brackets at front and rear of cabinet**
- **Use [2] people to carefully lift and remove cabinet from pallet**

**IMPORTANT:**
**Leveling Legs must be fully retracted before the cabinet is moved into place. Sliding cabinet on leveling legs may result in damage to the leveling legs. (Leveling Legs ship in retracted position)**

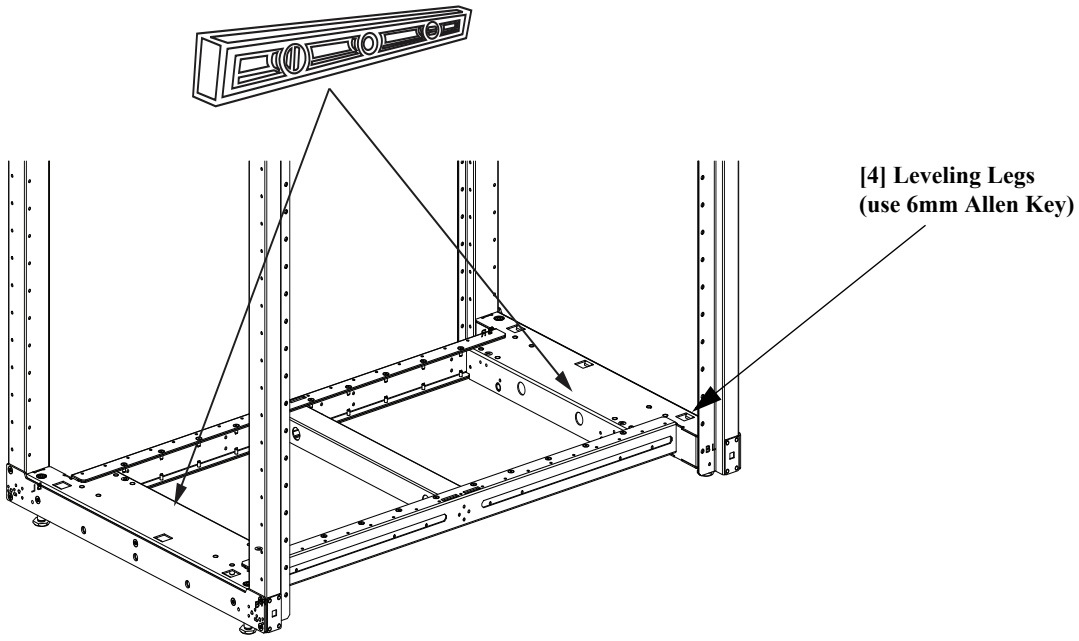



**Note: Doors, Side panels, and other components are removed for clarity.**

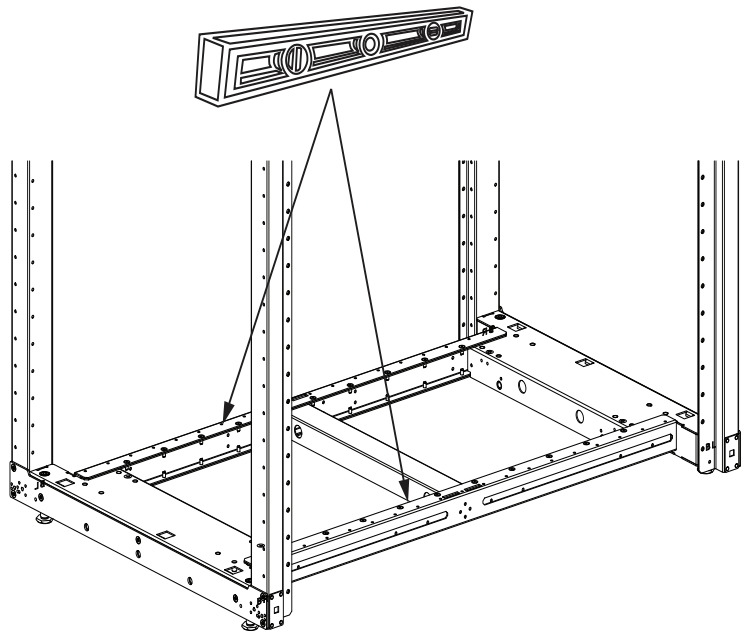
# Leveling

- **Ensure that [4] Leveling Legs are fully retracted**
- **Slide Cabinet into final position**
- **Lower the [4] Leveling Legs until the cabinet weight is fully supported**
- **Adjust the [4] Leveling Legs so that the cabinet is level front-to-back and side-to-side**

**Front-to-Back Cabinet Leveling**



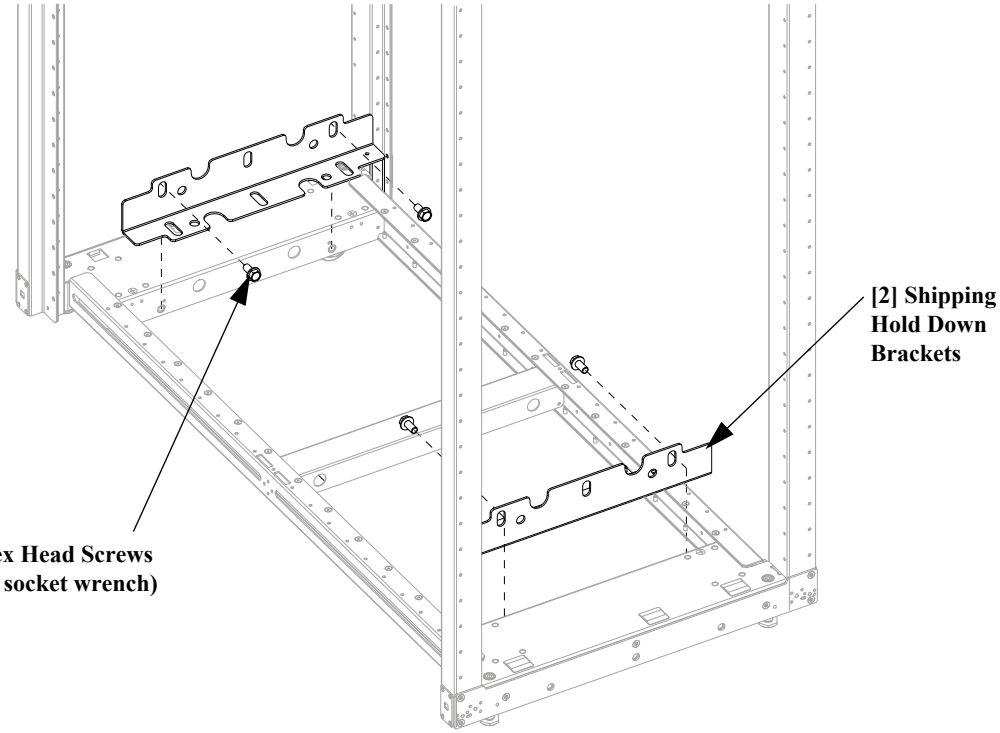

**Side-to-Side Cabinet Leveling**



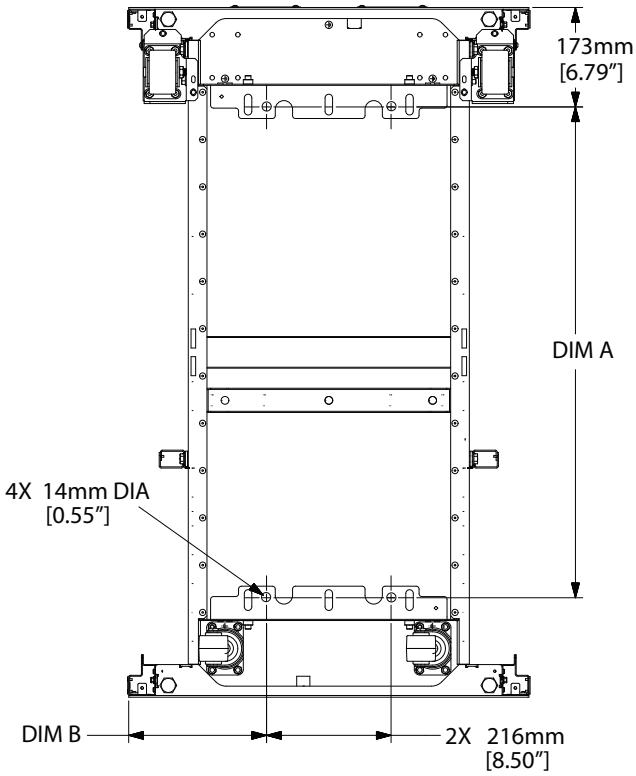
**Note: When ganging multiple cabinets together, ensure that adjacent cabinets are adjusted to the same height.**

# Floor Mounting

- **Ensure that [4] Leveling Legs are fully retracted**
- **If Necessary, secure [2] "Shipping Hold Down Brackets" at front and rear of cabinet**
- **See Floor Mounting View below for floor mounting dimensions**
- **Attach the anchors to the floor with appropriate hardware for your type of floor**




**Floor Mounting View**




**DIM A:**
**-1070mm deep cabinets: 699mm [27.52"]**
**-1200mm deep cabinets: 581mm [33.51"]**

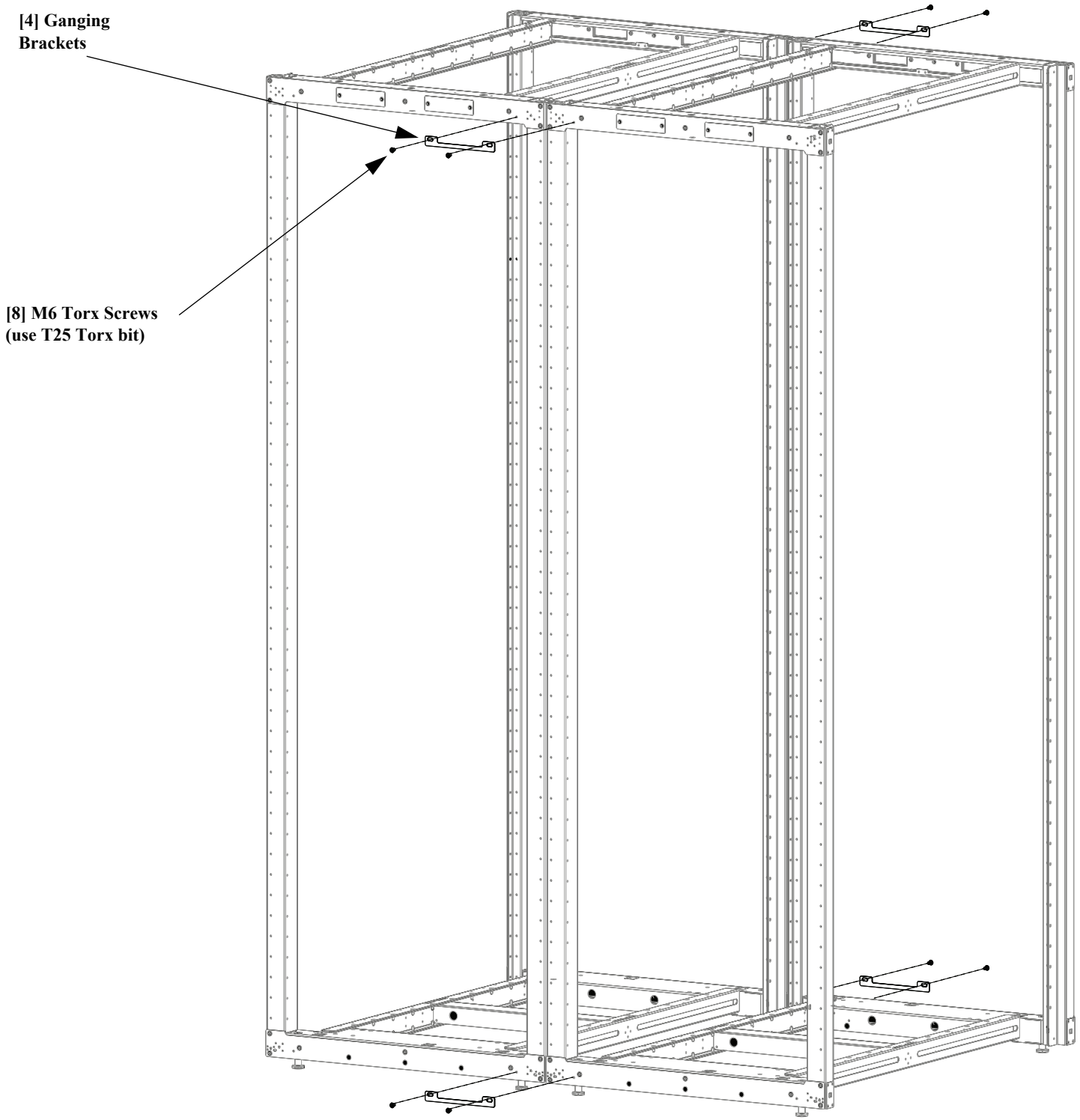
**DIM B:**
**-600mm wide cabinets: 191mm [7.52"]**
**-700mm wide cabinets: 241mm [9.48"]**
**-800mm wide cabinets: 291mm [11.46"]**

# Ganging

- **Ensure cabinets are level**
- **Secure Ganging Brackets to cabinets at [4] locations shown below**
- **Do not use Ganging Brackets to cinch cabinets together**

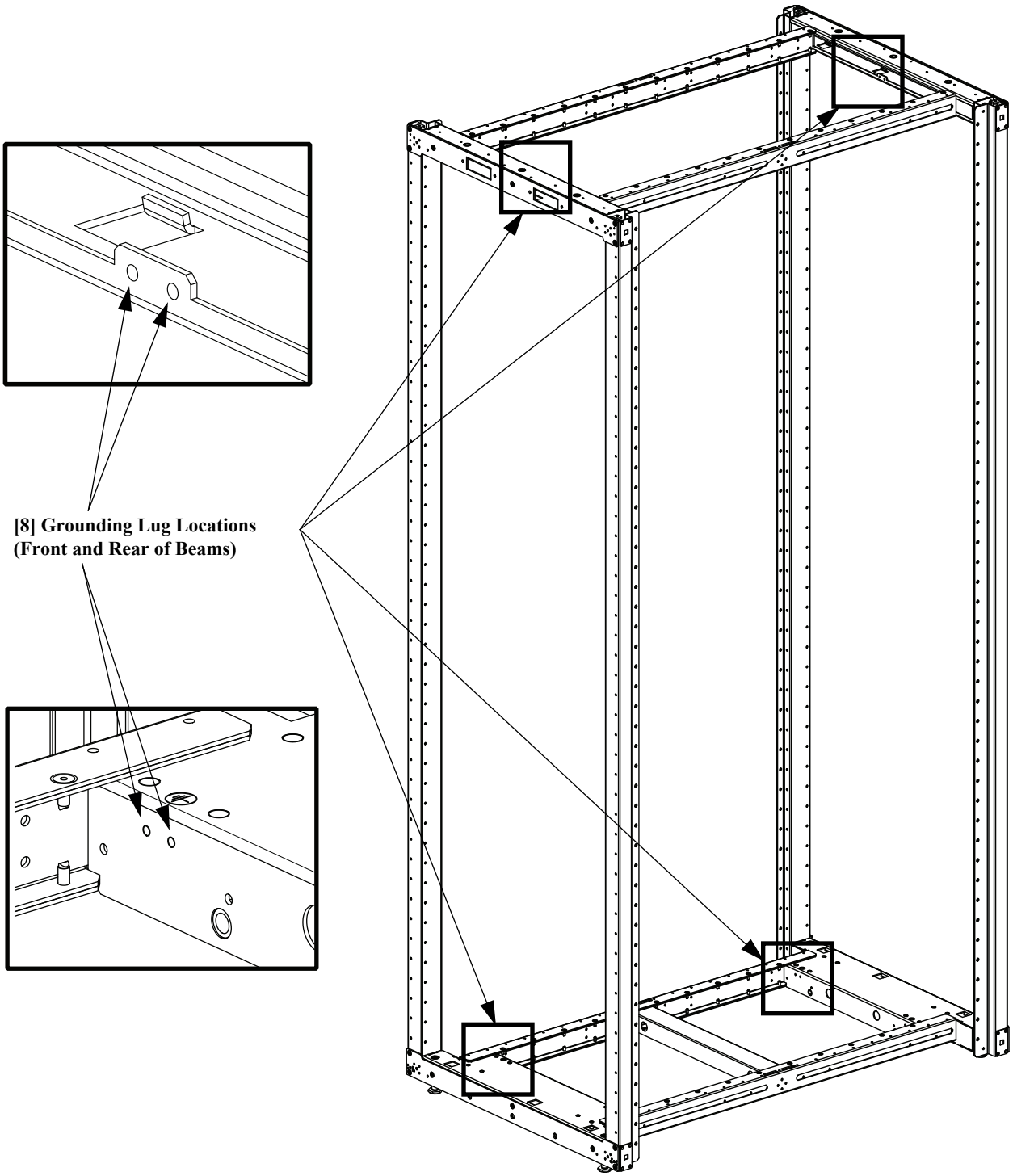
**IMPORTANT:**

**Ensure cabinets are level by following the guidelines on page 5. Leveling the cabinet prior to ganging is important to ensure proper door operation.**



# Grounding

- **Attach Grounding Lug or Grounding Bar at any of the [6] location(s) shown below**
- **Grounding location is indicated by universal ground symbol**
- **Use M5 bonding screw**




**Note: top cap removed for clarity.**

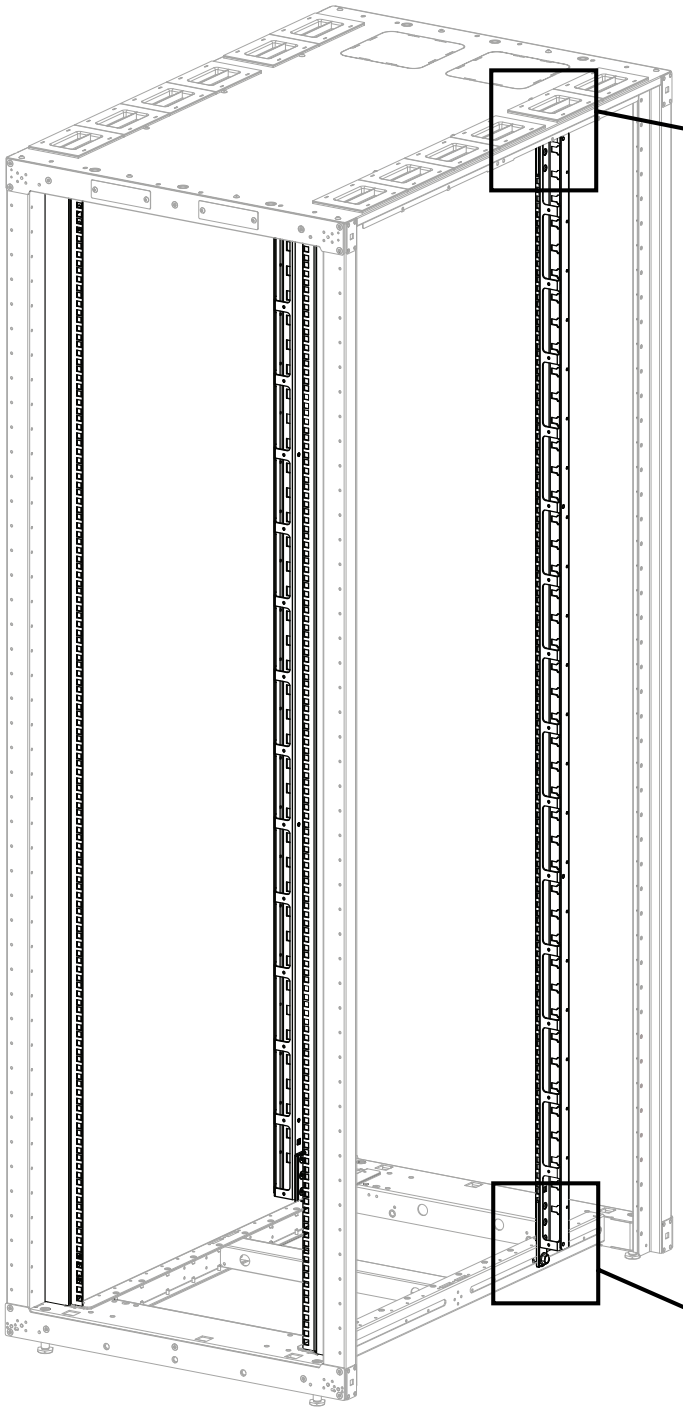
# Equipment Rail Adjustment

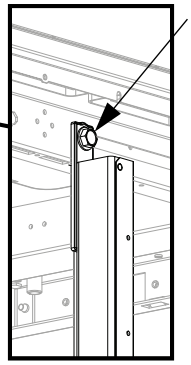
- **Loosen M10 Hex Head Screw at top and bottom of rear equipment rail**
- **Adjust equipment rail to desired positon**
- **Tighten M10 Hex Head Screw to 30.0 +/- 5.0 N-m [22.1 +/- 3.7 Ft-lbs]**

**NOTE: Front equipment rails are in a fixed position**

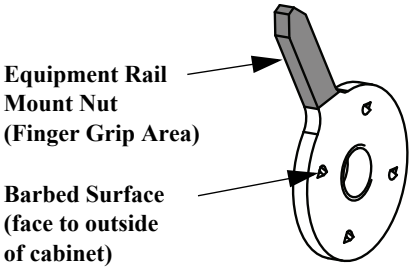
**<u>Uninstall/Re-install and Move Equipment Rails</u> (Top and Bottom Locations)**

- **Remove [2] M10 Hex Screws at top and bottom of Equipment Rail**
- **Remove [2] Equipment Rail Mount Nuts through slots of Front-to-Back Beam**
- **REVERSE STEPS to re-install Equipment Rails (insert Equipment Rail Mount Nuts through slots of Front-to-Back beam while holding finger grip of mount nut; ensure that barbed surface of Equipment Rail Mount Nut faces outside of cabinet)**





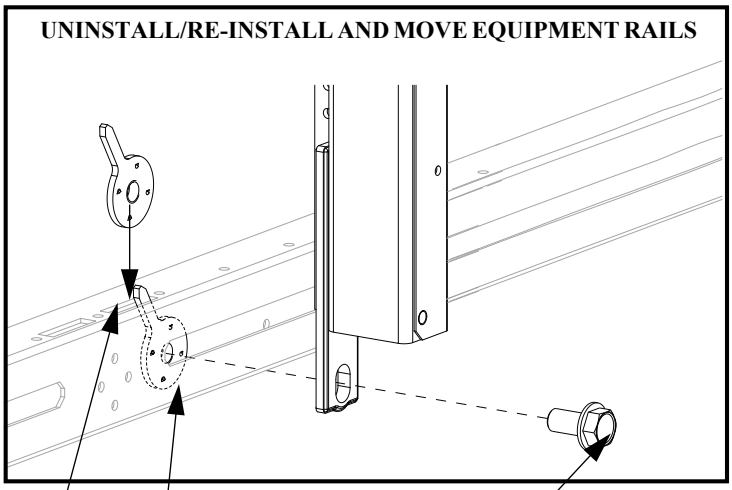
**M10 Hex Head Screw**
**(use 15mm socket wrench)**



**Equipment Rail**
**Mount Nut**
**(Finger Grip Area)**

**Barbed Surface**
**(face to outside**
**of cabinet)**

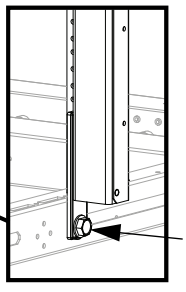
**UNINSTALL/RE-INSTALL AND MOVE EQUIPMENT RAILS**



**Equipment Rail**
**Mount Nut**

**M10 Hex Head Screw**
**(use 15mm socket wrench)**

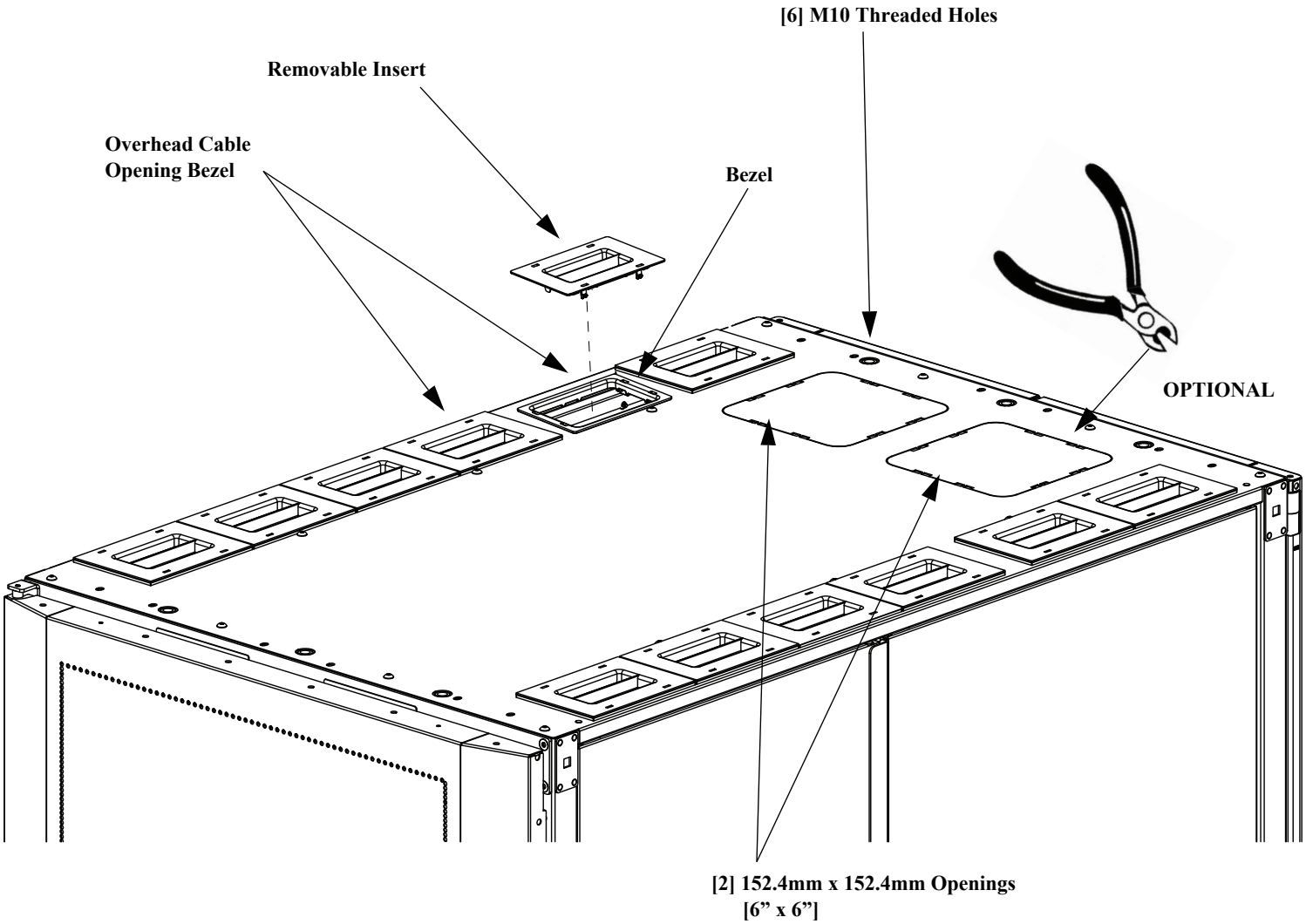
**Slot of Front-to-Back Beam**



**M10 Hex Head Screw**
**(use 15mm socket wrench)**

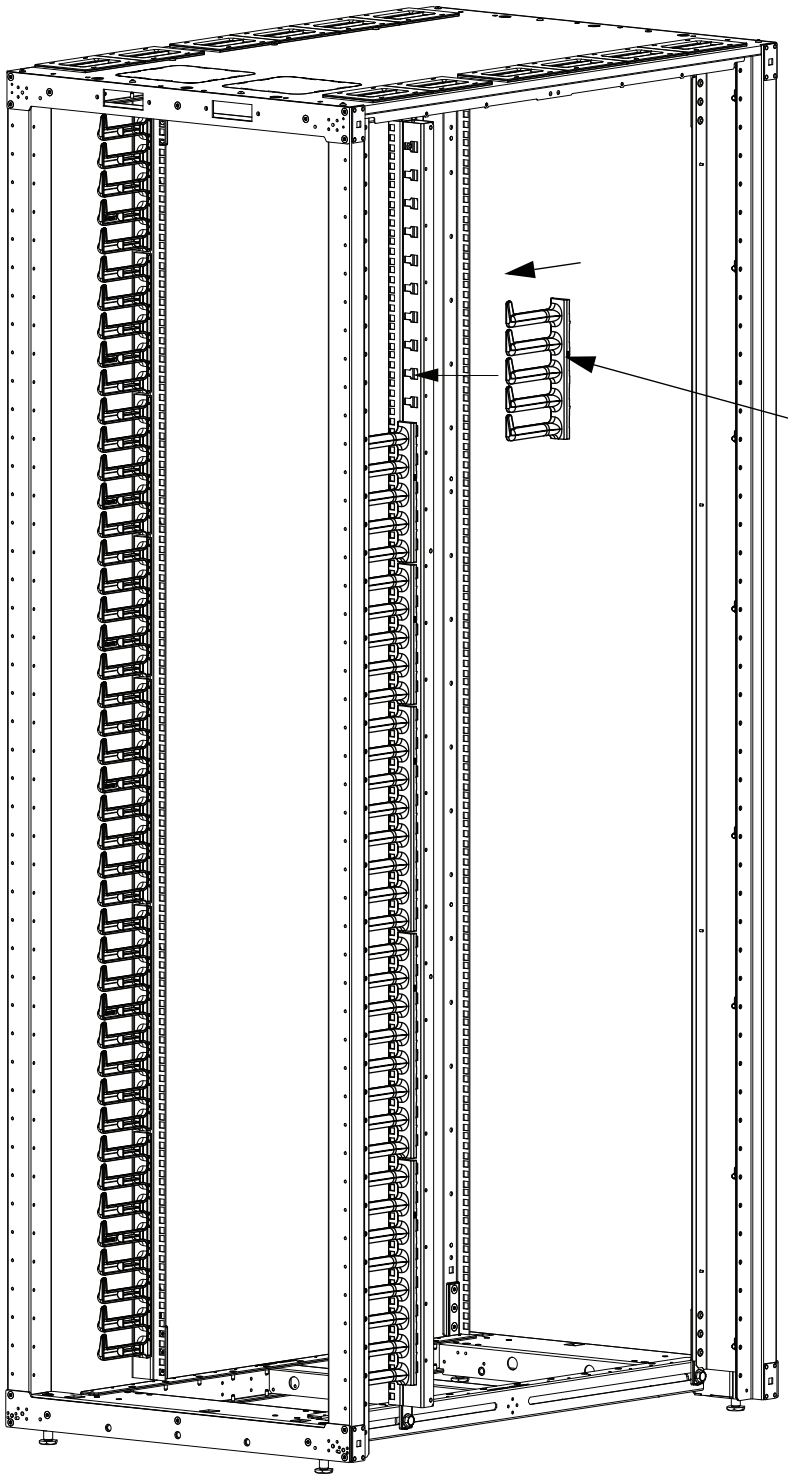
# Overhead Cable Openings

- **Remove Bezel Insert to allow for overhead cable entry**
- **Cut [8] tabs with wire cutter to open large cable openings - OPTIONAL**
- **Install M10 threaded rod into [6] tapped holes, if desired**
- **[2] 152.4mm x 152.4mm [6” x 6”] openings can be used to route power overhead**
- **PANDUIT COOL BOOT™ products can be used to seal around cables/fiber to prevent hot air recirculation**



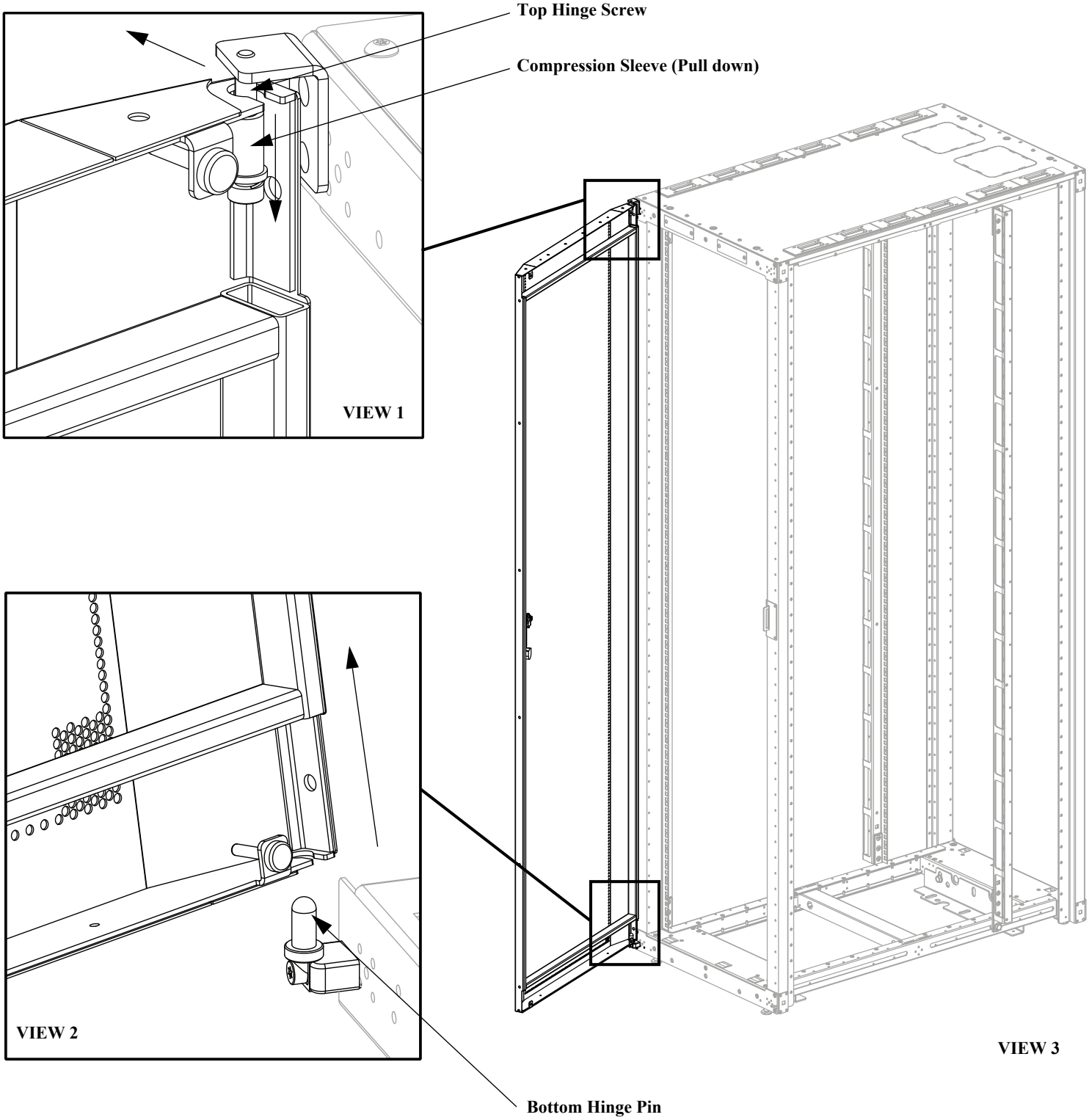
# Cable Management Fingers (SN15F, SN25F)

- **Insert tabs of Cable Management Finger into mounting slots of cabinet post**
- **Slide Cable Management Finger inward to lock into place**



# Single Hinge Door (Removal and Installation)

- **VIEW 1 Pull down Compression Sleeve at top door hinge**
- **VIEW 1 Pull Single Hinge Door away from cabinet so that Top Hinge Screw fits through cutout of door**
- **VIEW 2 Lift bottom of door off Bottom Hinge Pin**
- **REVERSE STEPS to install Single Hinge Door**

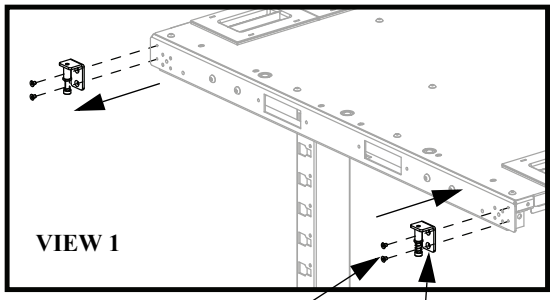


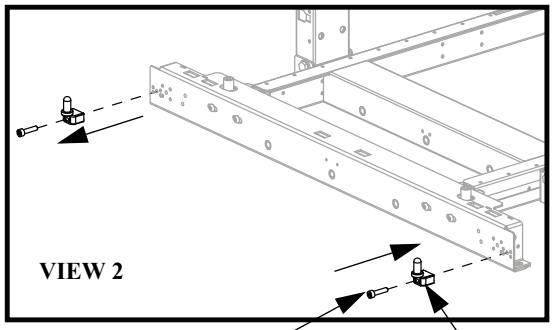
# Single Hinge Door (Door Handle Direction Reversal)

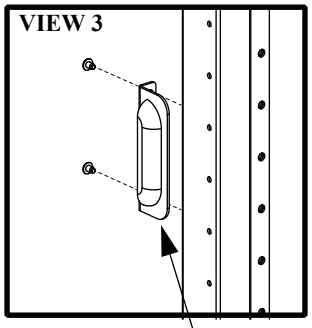
- **VIEW 1, 2 Remove Top and Bottom Hinge Brackets from current location (remove top hinge screw, if necessary)**
- **VIEW 1, 2 Install Top and Bottom Hinge Brackets on opposite side of cabinet (re-install top hinge screw, if necessary)**
- **VIEW 3 Move Door catch to opposite side of cabinet frame**

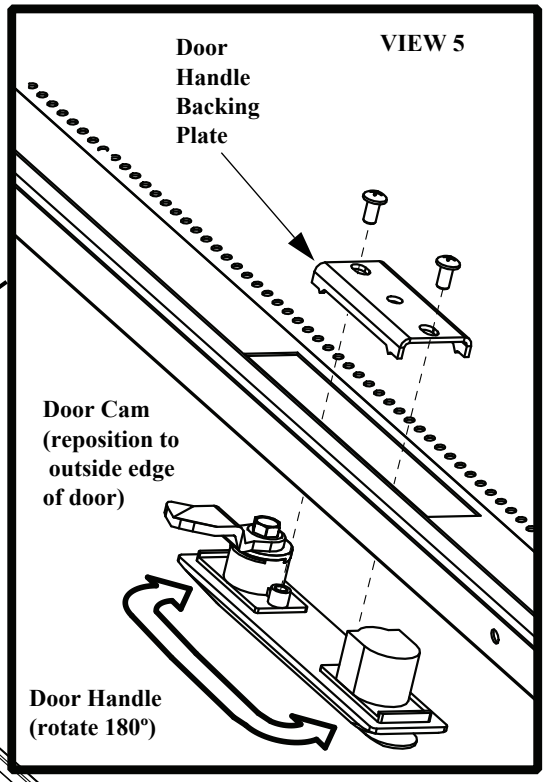
**<u>Door Handle Reversal</u> (Lay door on a flat surface) - VIEW 4, 5**

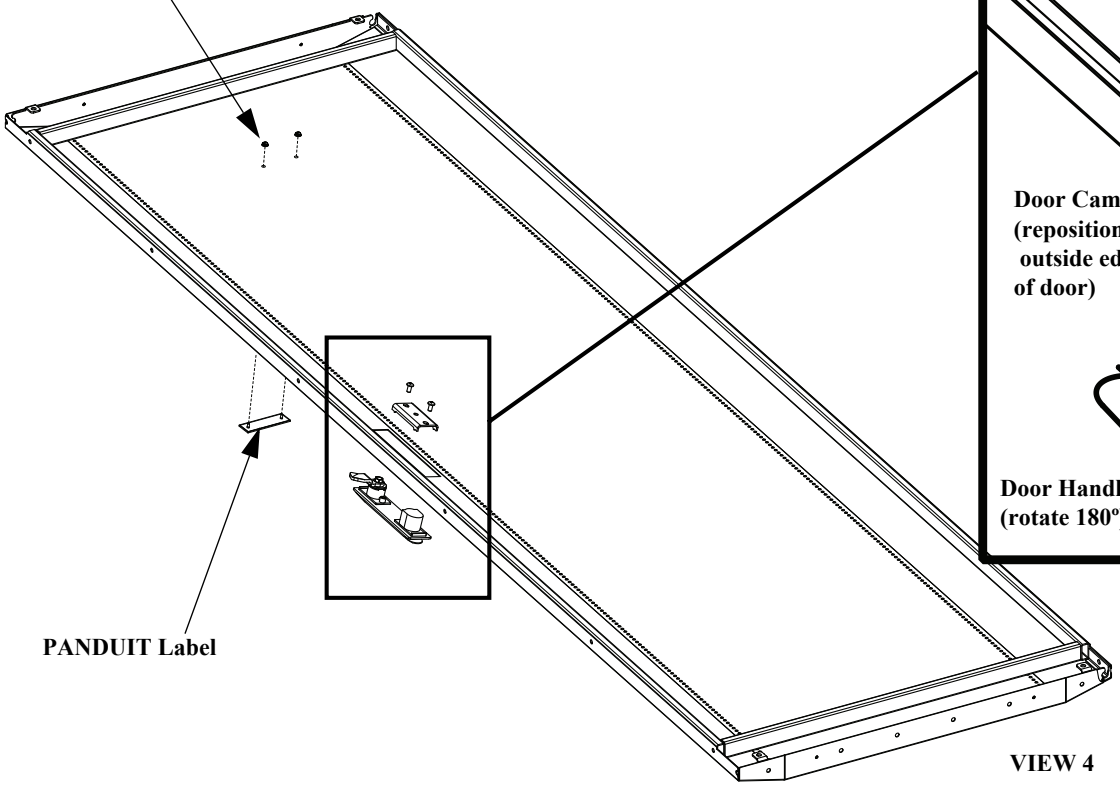
- **Remove Door Handle Backing Plate and rotate position of Door Handle 180º**
- **Loosen Cam Screw to reposition Door Cam and Cam Stop to outside of door. Tighten Cam Screw**
- **With Door Handle repositioned, secure Door Handle Backing Plate to Door Handle**
- **Remove PANDUIT label and re-attach in correct orientation near top of door**
- **Reinstall Single Hinge Door per instructions on Page 12**



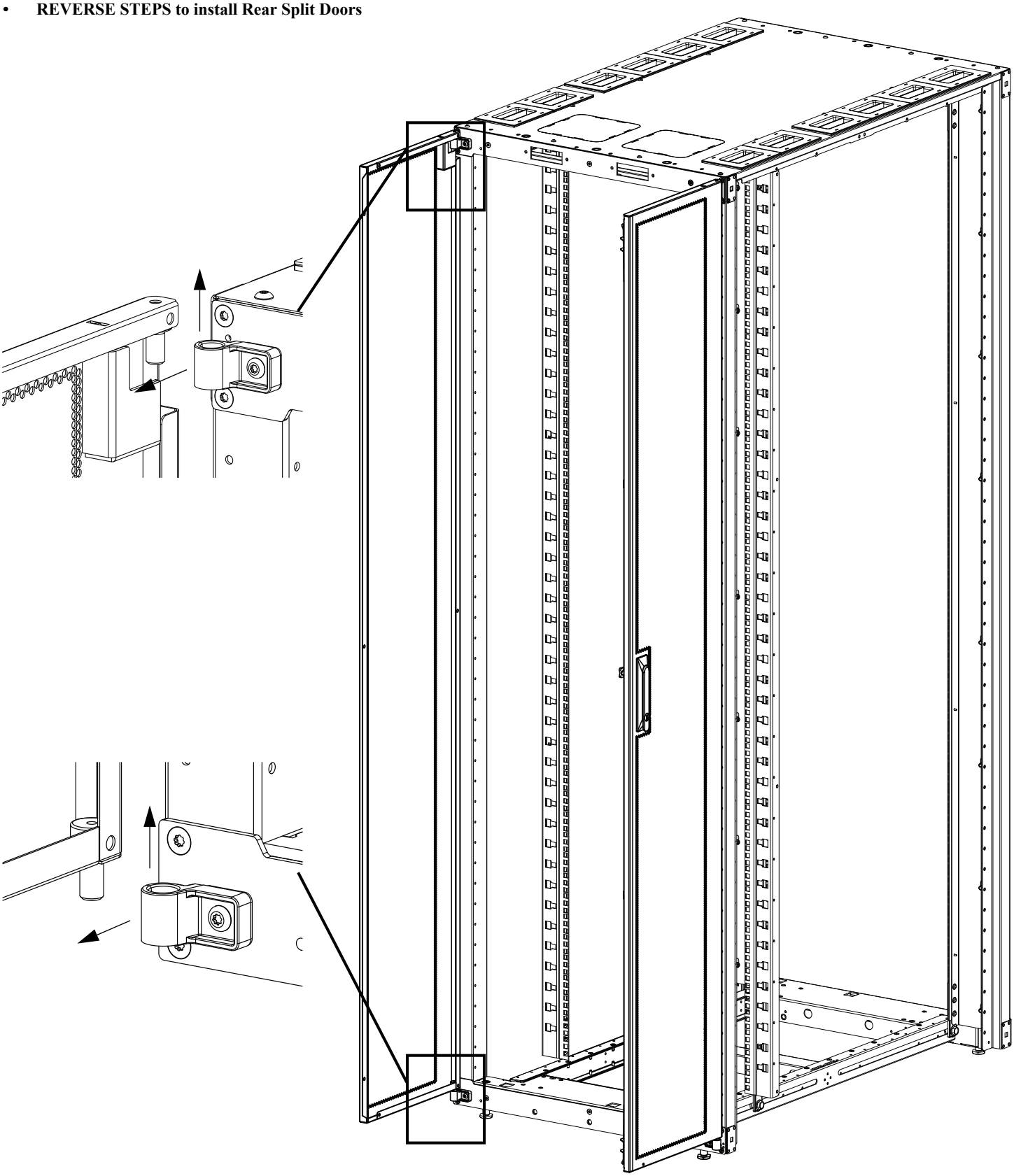



# Rear Split Doors (Removal and Installation)

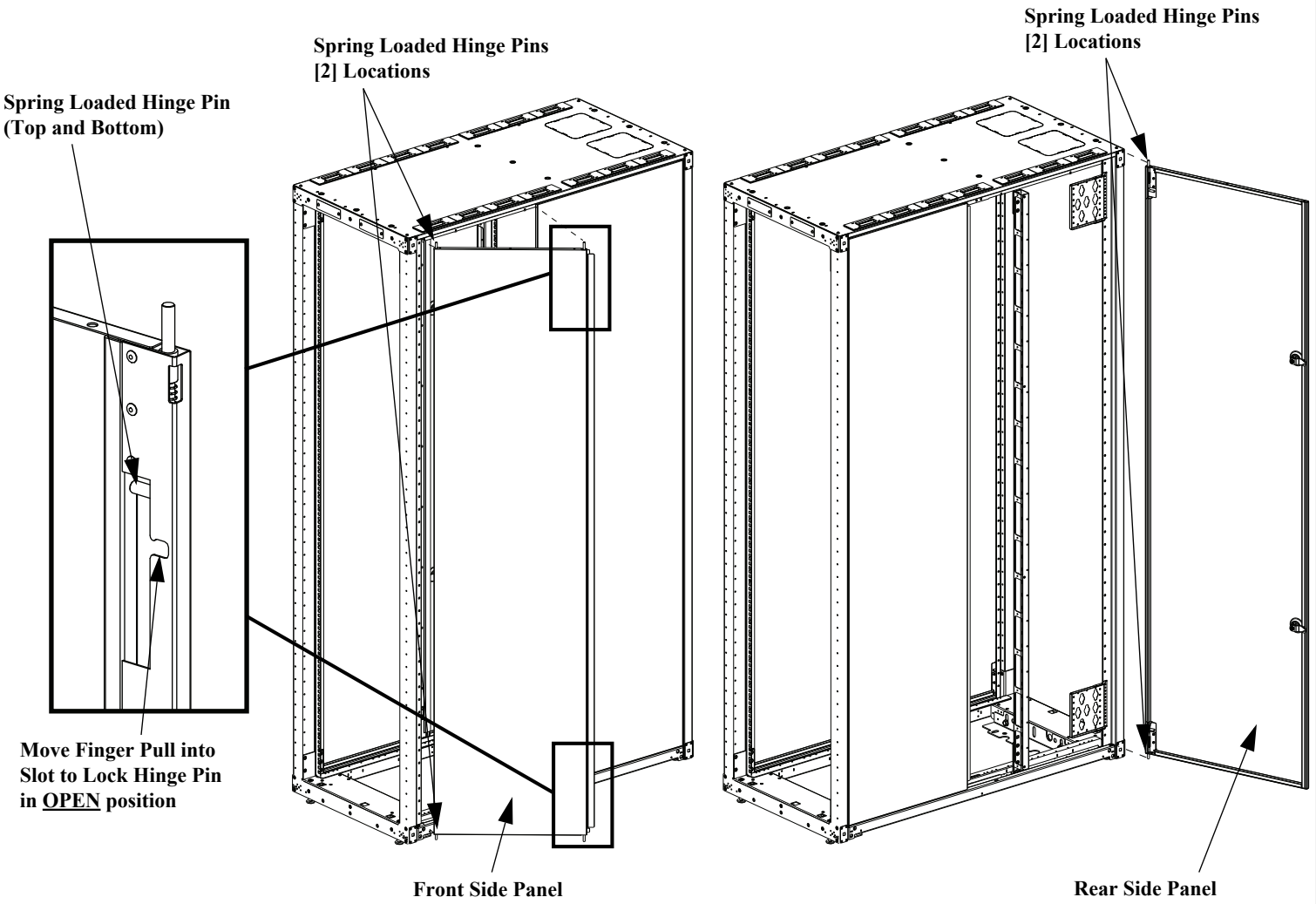
- **Open Rear Split Doors to approximately 90º**
- **Lift Rear Split Doors up pull doors away from cabinet frame**
- **REVERSE STEPS to install Rear Split Doors**

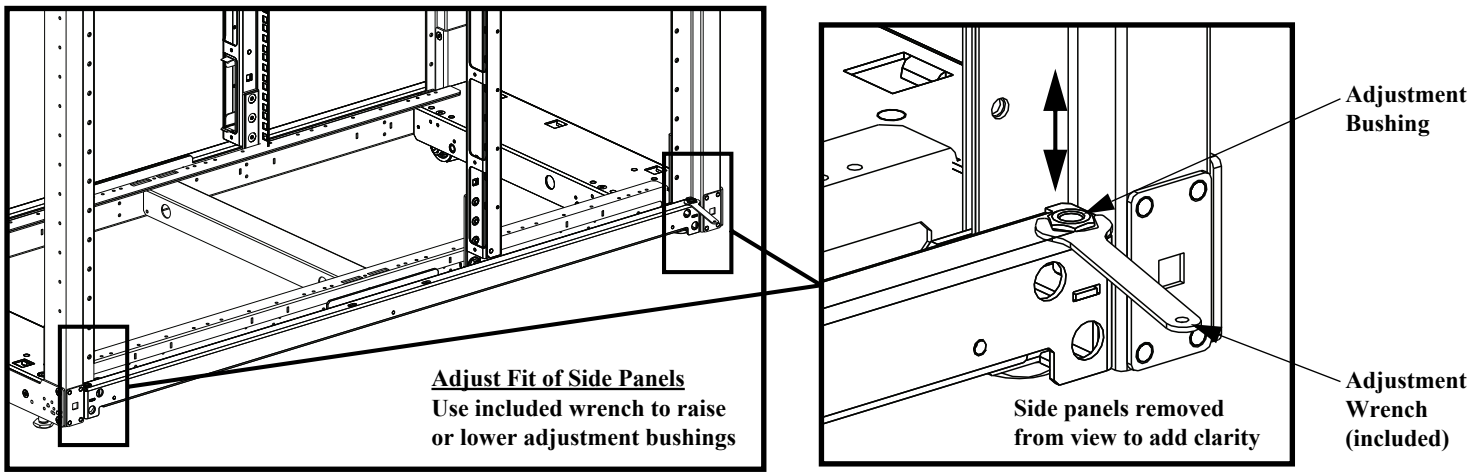


# In-Row Side Panel (Removal/Installation and Adjustment - optional)

- **Pull [2] Spring Loaded Hinge Pins to release Rear Side Panel from cabinet frame**
- **Pull [4] Spring Loaded Hinge Pins to release Front Side Panel from cabinet frame**
- **REVERSE STEPS to install In-Row Side Panels**

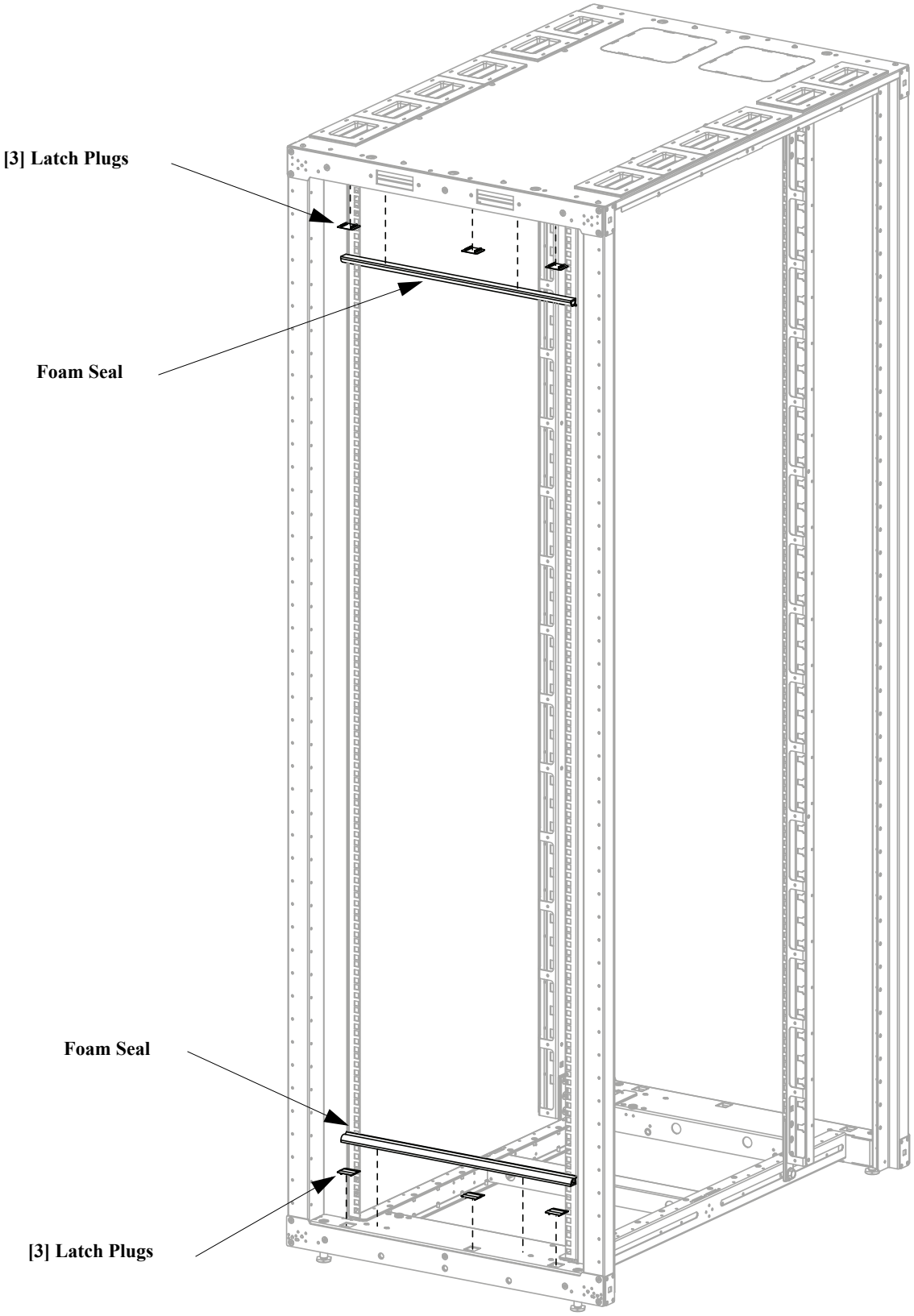
**IMPORTANT: Install Front Side Panel First**



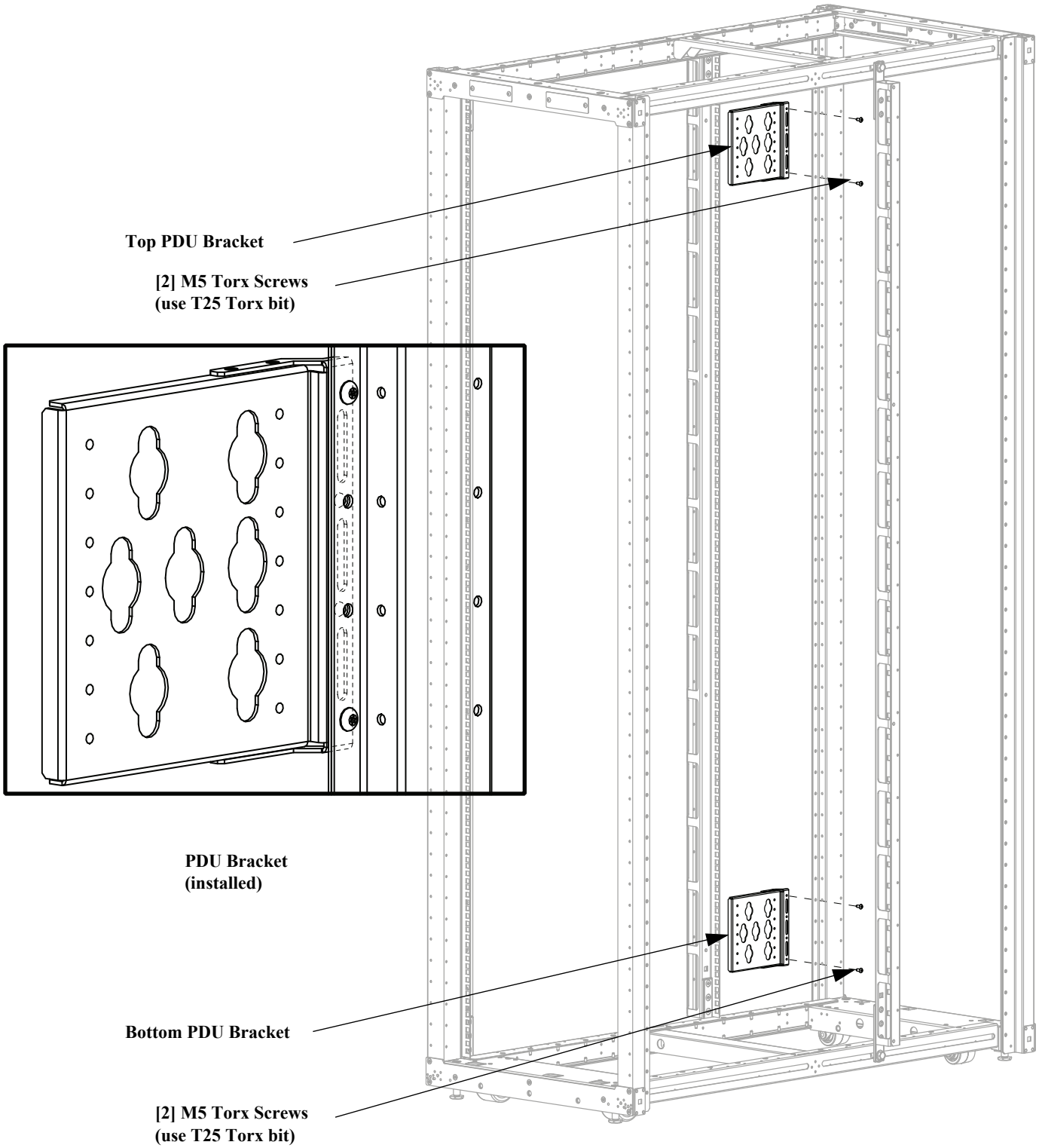
# Cabinet Sealing

**Install [6] Latch Plugs [3 upper, and 3 lower] into the door latch cut-outs to the front side of the cabinet only. Install [2] foam seals to the upper and lower frame. Seal should be pressed up against the Equipment Rails, behind the latch plugs.**



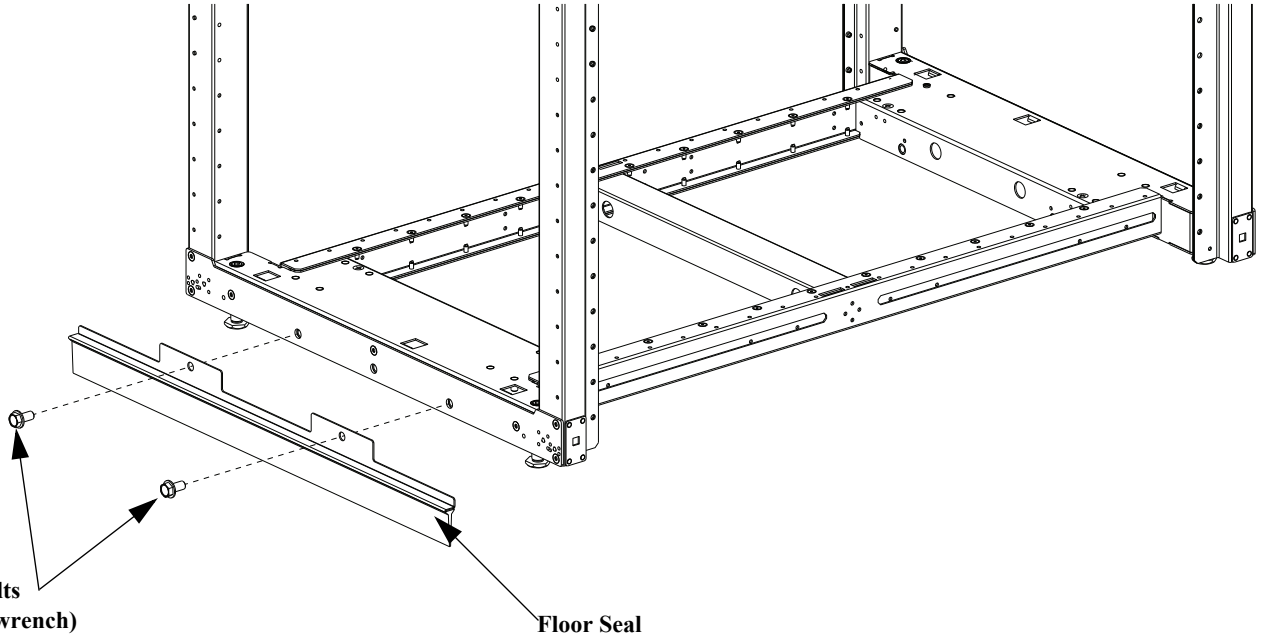
# PDU Bracket Adjustment

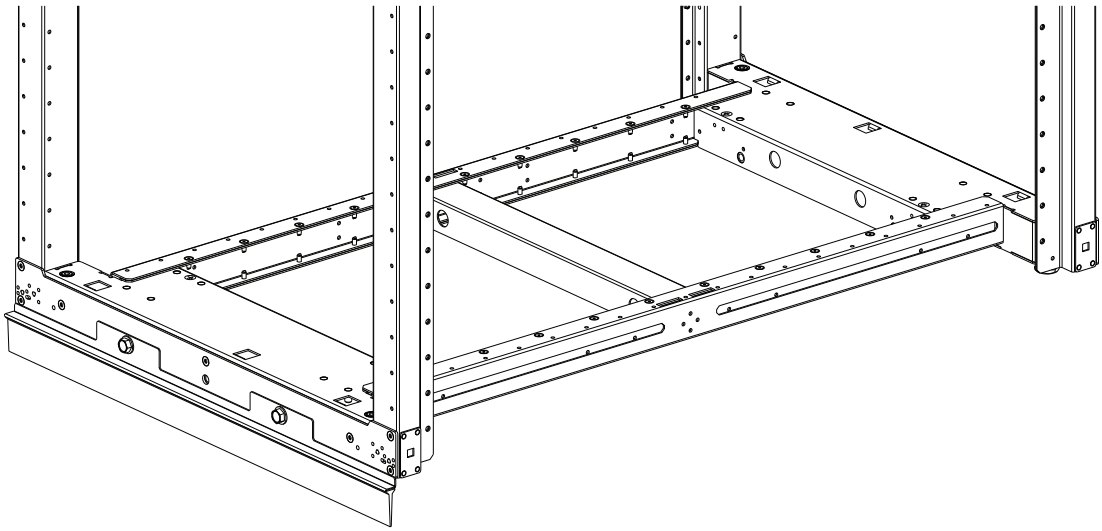
- **PDU brackets are height-adjustable if PDU spacing other than the factory position is desired.**
- **Remove [2] M5 Torx Screws per bracket, as shown below**
- **Reposition brackets at desired distance, ensuring that mounting flange of PDU bracket rests on the outside of cabinet post. (See 'Installed' view below)**
- **Secure each PDU bracket to cabinet post with [2] M5 Torx Screws per bracket**



# Front and Rear Floor Seal Installation (Vertical Exhaust Duct ONLY)

- **Install Floor Seal to front or rear of cabinet frame using (2) M10x20mm Bolts. (Flange on floor seal will face outward away from the cabinet.)**

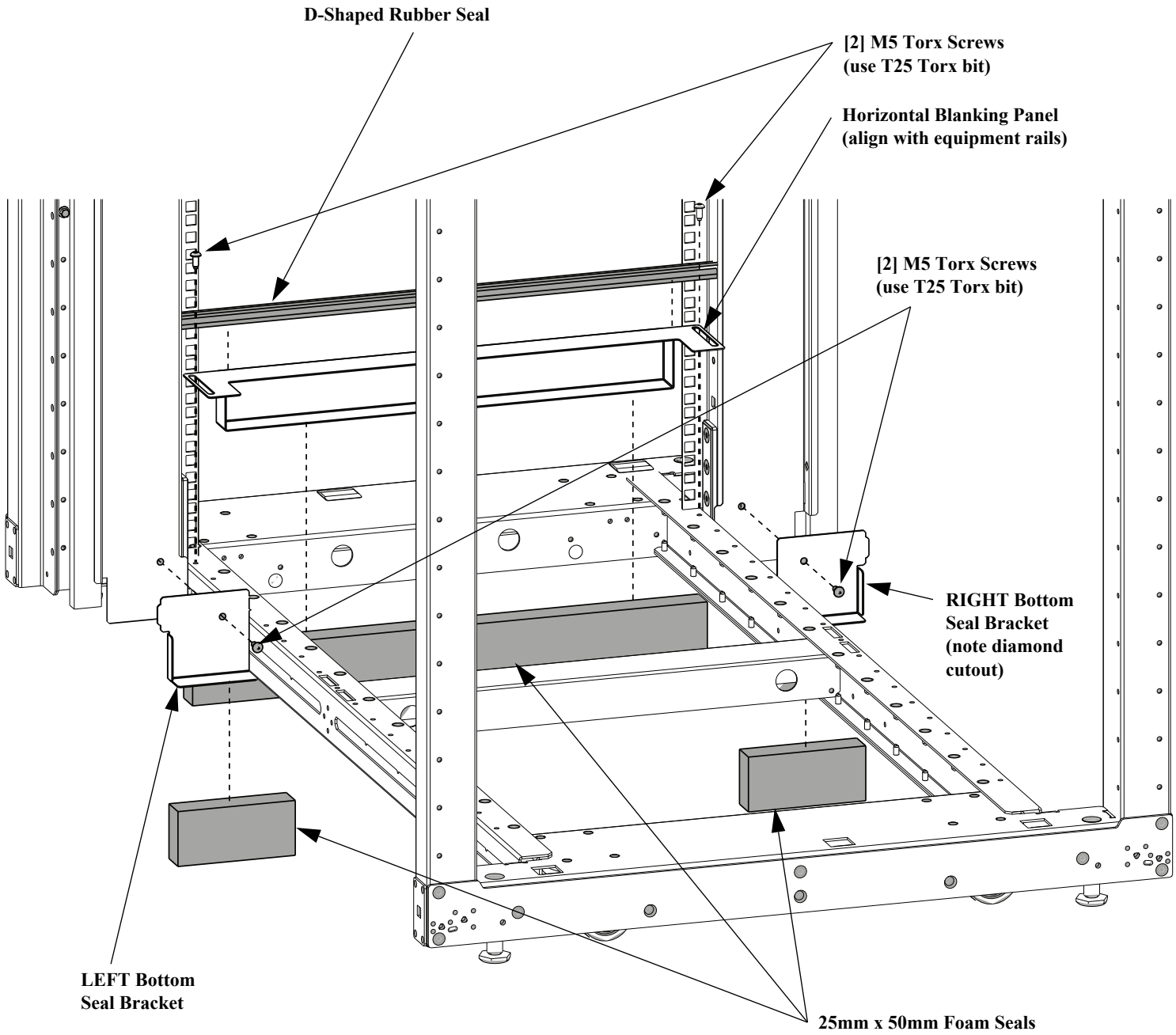


# Cabinet Seal Kit Installation (Switch-Configured S-Type Cabinets ONLY*)

- **Install Horizontal Blanking Panel so that front face aligns with equipment rails**
- **Install [2] Bottom Seal Brackets (Left Bracket is noted by diamond cutout)**
- **Attach D-shaped Rubber Seal to Horizontal Blanking Panel**
- **Attach 25mm x 50mm Foam Seals to bottoms of Horizontal Blanking Panel and [2] Bottom Seal Brackets**

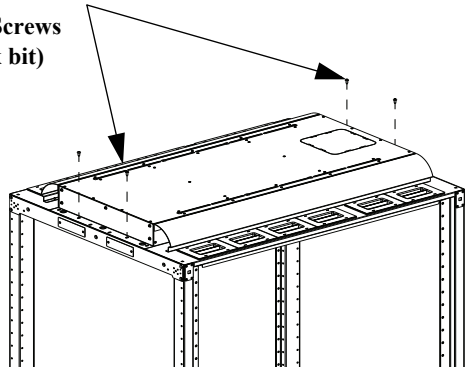
* Example part number: S8512BA



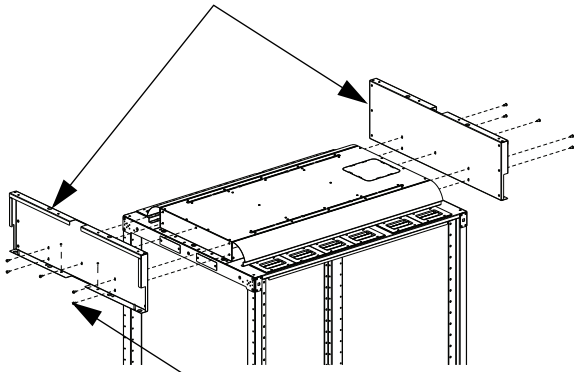
# Top of Cabinet Cable Manager Installation

- **Disassemble front fascia assemblies (packaged in cabinet) by removing (2) M5x0.8 button head screws (use T25 Torx bit).**
- **Remove (2) M5x0.8 button head screws (use T25 Torx bit) from front and rear of Cable Manager base.**
- **Install vertical walls on front and back of Cable Manager base using (5) M5x0.8 button head Torx screws (use T25 Torx bit). Re-install screws from previous step to secure to the frame.**
- **Attach front fascia to the front vertical wall by sliding fascia over studs in vertical wall.(see detail view). Tighten with (4) M5x0.8 button head screws (use T25 Torx bit).**
- **Attach rear fascia to the rear vertical wall by sliding fascia over studs in vertical wall (see detail view). Tighten with (4) M5x0.8 button head screws (use T25 Torx bit).**

**- Remove -**
**[4] M5 Torx Screws**
**(use T25 Torx bit)**



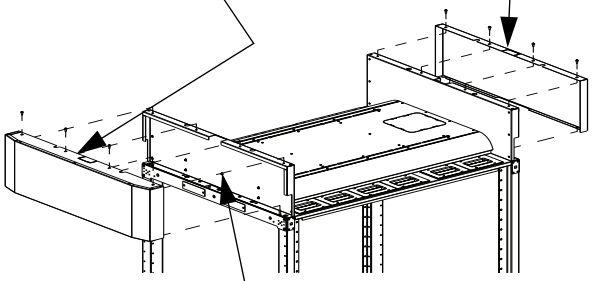
**[2] Vertical Walls**



**[5] M5 Torx Screws**
**(use T25 Torx bit)**

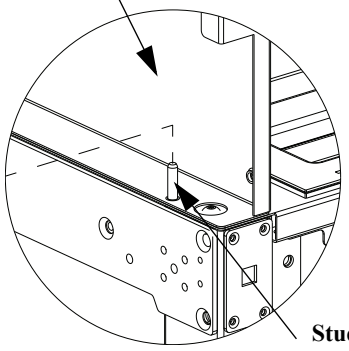
**Rear Fascia**

**Front Fascia**

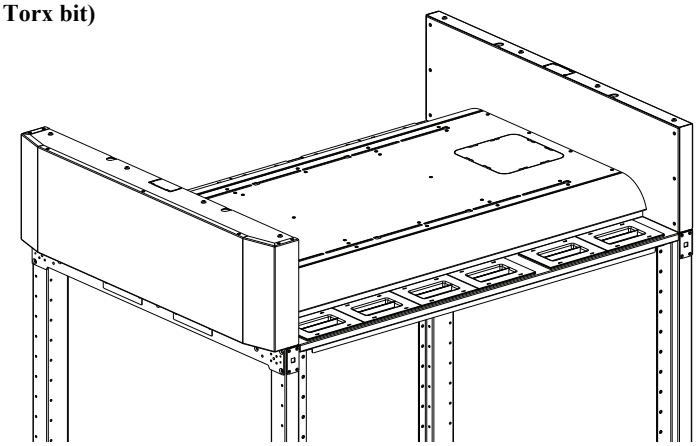


**[2] Vertical Walls**

**[4] M5 Torx Screws**
**(use T25 Torx bit)**



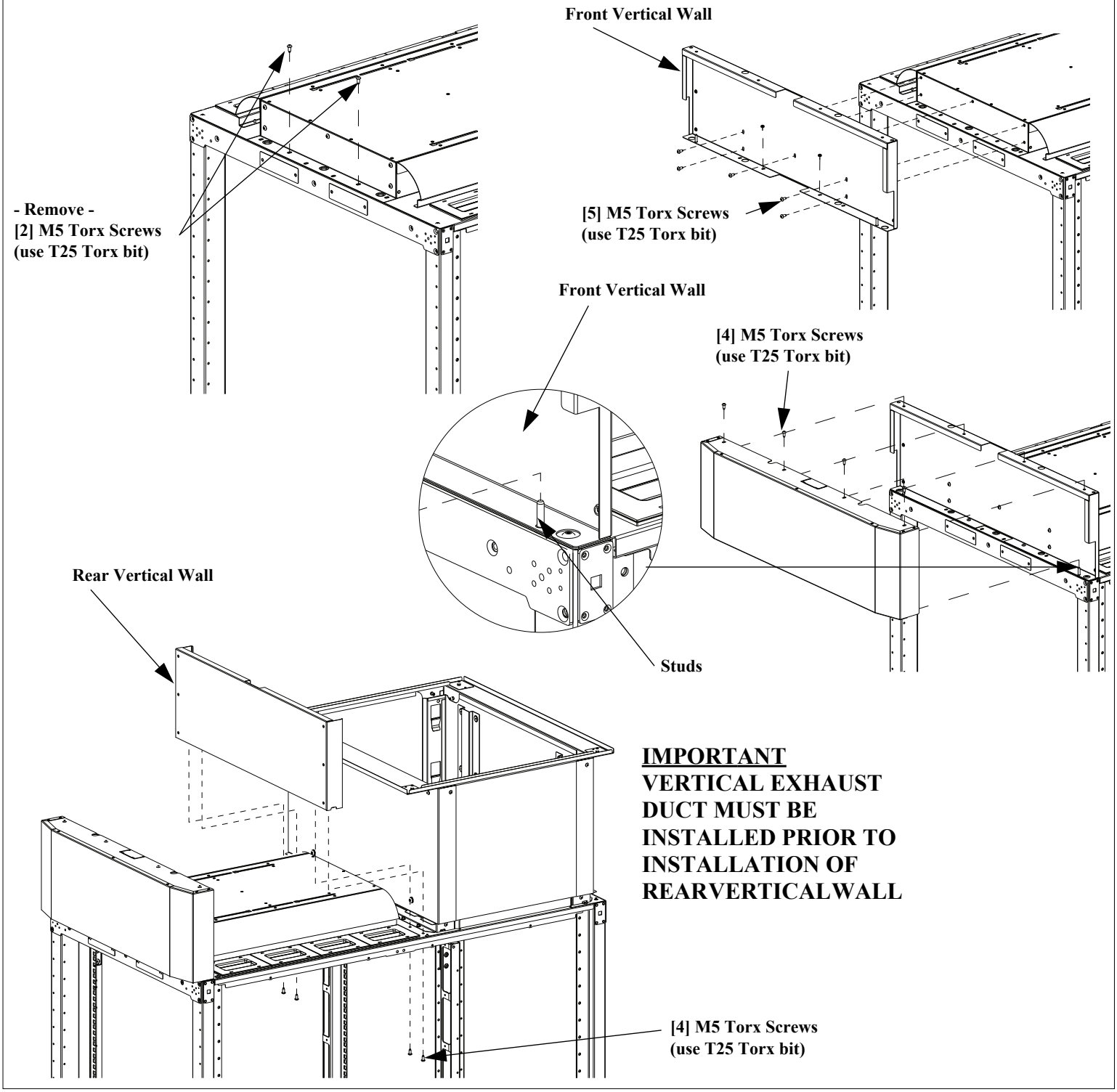
**Studs**



# Top of Cabinet Cable Manager Installation (for vertical exhaust ducts)

**IMPORTANT - INSTALL VERTICAL EXHAUST DUCT PRIOR TO INSTALLING REAR VERTICAL WALL**

- **Disassemble front fascia assemblies (packaged in cabinet) by removing (2) M5x0.8 button head screws (use T25 Torx bit).**
- **Remove (2) M5x0.8 button head screws (use T25 Torx bit) from front of Cable Manager base.**
- **Install vertical wall on front of Cable Manager base using (5) M5x0.8 button head Torx screws (use T25 Torx bit). Re-install screws from previous step to secure to the frame.**
- **Attach front fascia to the front vertical wall by sliding fascia over studs in vertical wall.(see detail view). Tighten with (4) M5x0.8 button head screws**
- **Attach rear vertical wall to the Cable Manger with (4) M5x0.8 button head screws (use T25 Torx bit) from underneath Top of Cabinet Cable Manager.**




**IMPORTANT**
**VERTICAL EXHAUST DUCT MUST BE INSTALLED PRIOR TO INSTALLATION OF REARVERTICALWALL**

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